



King County

Department of
Natural Resources and Parks
Solid Waste Division

Waste
Prevention

Resource
Recovery

Waste
Disposal

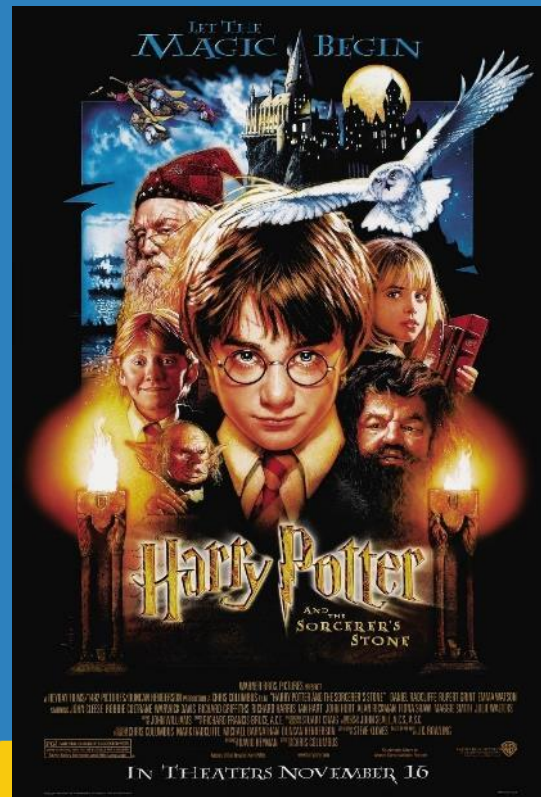
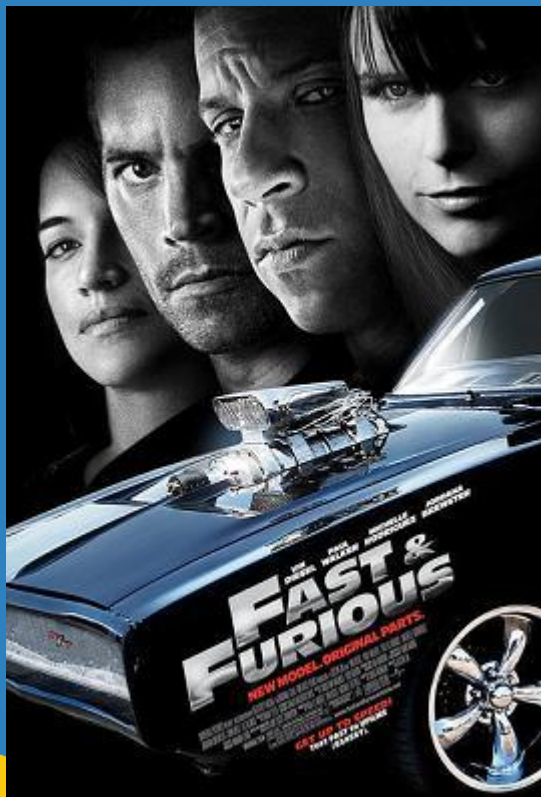
Comprehensive Solid Waste Management Plan

Solid Waste Advisory Committee
September 16, 2016



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Kevin Kiernan (circa 2001)

Comprehensive Solid Waste Management Plan is the Policy Roadmap for King County

The Plan:

- Sets the long-term goals and capital program
- Establishes the policy framework for solid waste activities
- Identifies funding sources and cost impacts



**Final 2001 Comprehensive
Solid Waste Management Plan**

November 2001



RCW 70.95.080 Requires Comprehensive Solid Waste Management Plan

- Required of each county within the state, in cooperation with the various cities located within that county,
- Purpose is to plan for solid waste and materials reduction, collection, and handling and management services
- Interlocal agreements between County and partner cities require collaboration on Plan development
- State law prescribes Plan contents



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RCW 70.95.165 and KCC 10.28.030

Require SWAC Role in Comp Plan Development

The Solid Waste Advisory Committee:

- Advises King County on all aspects of solid waste management planning;
- Assists King County in the development of programs and policies concerning solid waste management;
- Reviews and comments on proposed solid waste management rules, policies, or ordinances

RCW 70.95.090: Required Plan Content

- An inventory and description of solid waste collection needs and operations within each jurisdiction
- A comprehensive waste reduction and recycling element that provides programs that reduce the amount of waste generated, provide incentives and mechanisms for source separation, and establish recycling opportunities for source separated waste
- Recycling strategies, including a description of markets, a review of waste generation trends, a description of waste composition, a discussion and description of existing programs and any additional programs, and an implementation schedule for the designation of specific materials to be collected for recycling, and for the provision of recycling collection services



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RCW 70.95.090: Required Plan Content

- A detailed inventory and description of existing solid waste facilities including an inventory of any deficiencies in meeting current solid waste handling needs
- Estimated long-range needs for solid waste facilities projected twenty years into the future
- A program for development of solid waste handling facilities, including a six-year construction and capital acquisition program
- A plan for financing capital costs and operational expenditures
- A program for surveillance and control
- An assessment of the plan's impact on the costs of solid waste collection prepared in conformance with guidelines established by the utilities and transportation commission



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2009 Draft Comp Plan Refined 2001 Policies

- 2001: Comprehensive Solid Waste Management Plan adopted
- 2007: Solid Waste Transfer and Waste Export System Plan adopted
- 2009 - 2013: 2001 Comp Plan policies updated and streamlined in discussions with advisory committees
- 2014-2015: Advisory committees update Planning, Collection, Recycling, and Financial policies



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Update to Plan will Build on Prior Work

- Discussions will build on previous drafts of the Comp Plan and guidance from advisory committees
- Fresh look at policies and recommendations



Updated Plan includes Policies and Recommendations for Major Elements

- Policies establish planning framework to direct county, cities, and private sector priorities
- These policies drive recommendations for each major element to prioritize future activities

Landfill Management and Solid Waste Disposal

Policies

- DS-1 Operate and maintain the Cedar Hills Regional Landfill to meet or exceed the highest federal, state, and local standards for protection of public health and the environment.
- DS-2 Maximize the capacity and lifespan of the Cedar Hills Regional Landfill, subject to environmental constraints, relative costs to operate, and stakeholder interests.
- DS-3 Monitor and maintain closed landfills to meet or exceed the highest federal, state, and local standards for protection of public health and the environment.

Summary of Recommendations

Responsibility		Action	Detailed Discussion
1	County	Track and evaluate options for disposal once the Cedar Hills Regional Landfill reaches capacity and closes. Consider waste export to an out-of-county landfill, a waste-to-energy facility(ies), and other disposal or conversion technologies, to handle all or a portion of the county's waste.	Page 6-2, 6-10
2	County	Evaluate partial early waste diversion considering effects on customer costs versus benefits.	Page 6-2, 6-10



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Six Major Planning Elements

(numbers represent policies within each chapter)



**Solid
Waste
Planning
(6)**



**Waste
Prevention
&
Recycling
(6)**



**Collection
(2)**



**Transfer
(5)**



**Disposal
(3)**



**Solid
Waste
System
Finance
(9)**



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Solid Waste Planning



Current framework focuses on:

- Monitor and report on waste tonnage, composition, & source
- Update the solid waste tonnage forecast

Looking forward:

- Planning for system where not all cities have signed on to extended ILA
- Reducing greenhouse gas emissions
- New waste forecast

Waste Prevention and Recycling



Current framework focuses on:

- Setting disposal and recycling rate targets
- Advancing recycling and material recovery programs

Looking forward:

- Achieving zero waste of resources and 70% recycling rate
- How to implement programs that will achieve zero waste of resources

Collection



Current framework focuses on:

- Establishing urban collection service levels for solid waste, recyclables, and organics
- Promote processing systems that maximize diversion and minimize residual waste

Looking Forward

- Advancing collection services that help to achieve 70% recycling goal (e.g., bi-weekly garbage collection)



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Transfer



Current framework focuses on:

- Setting uniform and efficient services at all stations
- Preparing stations for eventual waste export
- Establishing criteria to prioritize transfer station replacement

Looking Forward

- Demand management
- Resource recovery initiatives
- Facility replacements



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Disposal



Current framework focuses on:

- Operating active landfill to meet or exceed standards
- Maintaining closed landfills & exploring beneficial reuse options
- Evaluating waste export and other disposal options

Looking Forward

- Anaerobic digestion & alternative disposal technologies
- Expand capacity at Cedar Hills

Solid Waste System Finance



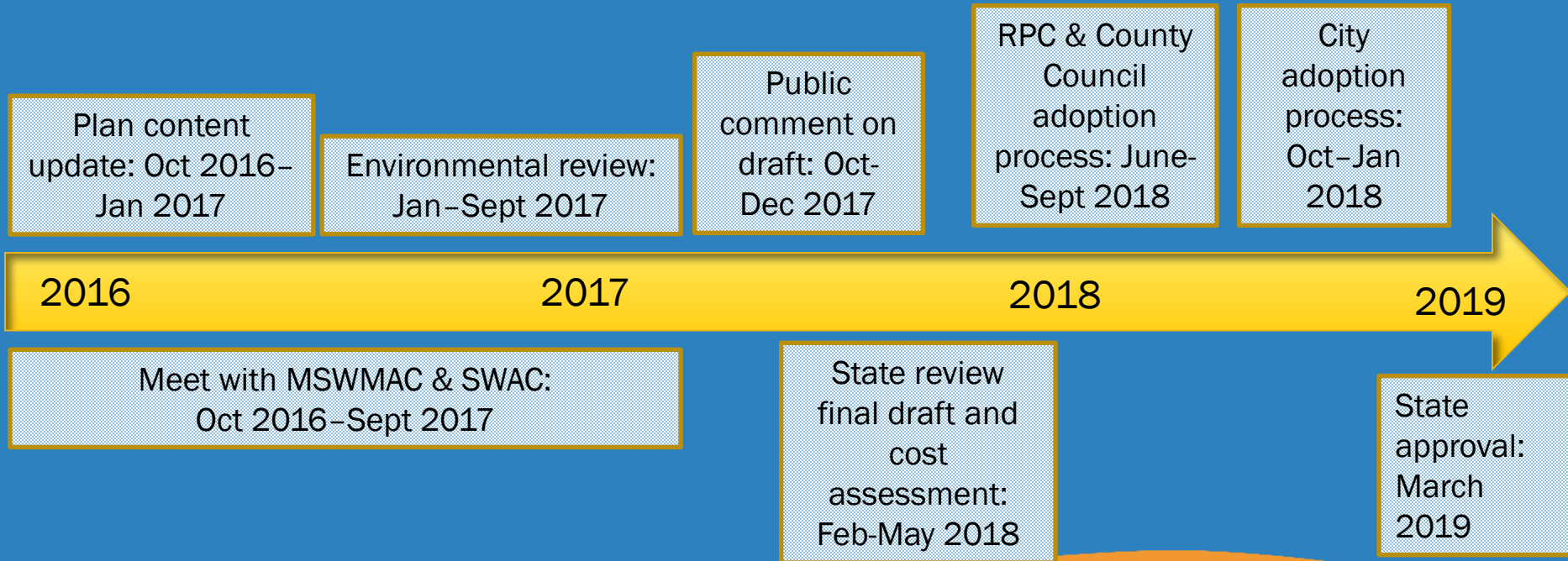
Current framework focuses on:

- Keeping fees as low as possible while maintaining and enhancing service levels
- Charging the same weight-based fee at transfer stations

Looking Forward

- Restructuring rate in response to increasing recycling
- Latecomers to ILA

Comp Plan Adoption Timeline



Advisory Committee Meetings

Meeting Dates	Topic
Sept. 9 & 16	Introduction to Updating the Plan
Oct. 14 & 21	Guiding Principles and Major Policy Challenges
Nov. 18	Summary of October discussion
<i>First draft of the Plan provided to advisory group members by January 31, 2017</i>	
Feb. 10 & 17, 2017 March 10 & 17, 2017	Review draft policies and recommendations for Transfer chapter
April 14 & 21, 2017 May 12 & 19, 2017	Review draft policies and recommendations for Disposal chapter
June 9 & 16, 2017	Review draft policies and recommendations for Recycling/Collection chapters
July 14 & 21, 2017 August 11 & 18, 2017	Review draft policies and recommendations for Financial chapter
Sept. 2017	Reserved for wrap-up
<i>The Plan is released for public review and comments Oct – Dec, 2017</i>	

Next Steps

- Evaluate 2013 draft Comp Plan policies in October
- SWD staff will update the forecast, introduction, and other plan contents unrelated to policies
- Give presentations, as requested, on the Comp Plan update to cities, industry partners, and other stakeholders



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